

ABSTRACT OF THE INVENTION

A method and an apparatus for removing non-condensing gas within a heat pipe are disclosed. A predetermined amount of a working fluid is filled into the heat pipe with an opening formed on a top end. The heat pipe is heated to obtain the working
5 fluid with a saturated temperature and then the saturated temperature is maintained to have the working fluid being evaporated and boiled, such that the non-condensing gas is expelled by vapor of the working fluid. Finally, the opening is sealed when a predetermined amount of the vapor of the working fluid is discharged. The apparatus to perform the method includes a heater assembly providing the heat pipe installed
10 therein and having a holder for holding the heat pipe to be positioned, and a sealer unit located above the heat assembly and having a clamping element and a driving mechanism to operate the clamping element.